

Monoclonal Anti-Junin Virus, Clone IC06-BE10 (produced *in vitro*)

Catalog No. NR-43777

This reagent is the property of the U.S. Government.

Product Description: Antibody Class: IgG1κ

Mouse monoclonal antibody reactive with the nucleoprotein of Junin virus¹ was affinity purified from hybridoma supernatant using protein G magnetic beads.

Lot: 61613349

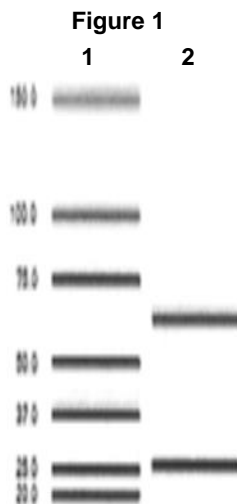
Manufacturing Date: 28MAR2013

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1κ	IgG1κ
Experion Pro260 Analysis	Correct molecular weight (MW) for heavy and light chains Report results	Correct MW for heavy and light chains (Figure 1) 98.7% pure
Concentration by Spectrophotometer at OD ₂₈₀	Report results	0.84 mg/mL
Functional Activity Indirect Fluorescent Antibody Test Indirect ELISA ^{2,3}	Report results Report results	Reactive at dilutions up to 1:6400 Not reactive
Sterility	0.22 μm filter-sterilized	0.22 μm filter-sterilized

¹Sanchez, A., et al. "Junin Virus Monoclonal Antibodies: Characterization and Cross-reactivity with Other Arenaviruses." *J. Gen. Virol.* 70 (1989): 1125–1132. PubMed: 2471803.

²Plates were coated with a 1:2000 dilution of Junin virus-infected cell lysate.

³Some monoclonal antibodies to the surface glycoprotein of Junin virus have shown reactivity by indirect ELISA while others have not. This is likely due to the conformation differences among the epitopes.



Lane 1: MW Markers (kDa)
Lane 2: NR-43777

Certificate of Analysis for NR-43777

Date: 08 AUG 2013

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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